EAST SEARCH	CH HISTORY		
HITS	QUERY	DATABASE	
4.	45 ((three adj dimensional) or 3d) USPAT, US-PGPUB; same edge same (nearest adj EPO, JPO; DERWENT; neighbor)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
ဧ	31 synapix\$20.as.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
35		5988862 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
	2 5988862.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
	2 5886702.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
	2 6187392.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
146	146 match moving or matchmoving	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	:
146	146 match moving or matchmoving and (345.clas. or 382.clas. or 348.clas)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
146	146 match moving or matchmoving and (345.clas. or 382.clas. or 348.clas) and (3d or ("3" adj dimensional))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
146	146 (match adj1 moving) or matchmoving and (345.clas. l or 382.clas. or 348.clas) and l (3d or ("3" adj dimensional))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
	(3d or ("3" adj dimensional))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	

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USPAT; US-PGPUB;	EPO; JPO; DERWENT;	IBM_TDB	USPAT; US-PGPUB;	EPO; DERWENT											-												
(match?moving) or	matchmoving		(US-6084590-\$ or US-	6124864-\$ or US-6160907-\$	or US-6192156-\$ or US-	6249285-\$ or US-6266053-\$	or US-6297825-\$).did. or (US-	20020032697-\$ or US-	20020164067-\$).did. or (WO-	9845812-\$ or WO-9845813-\$	or WO-9845814-\$ or WO-	9845816-\$ or WO-9952069-\$	or WO-9952070-\$ or WO-	9952071-\$ or WO-9952073-\$	or WO-9952080-\$).did. or (US-	20020164067-\$ or WO-	200034918-\$ or WO-	200033253-\$ or WO-	200031689-\$ or US-6192156-	\$ or US-6249285-\$ or US-	6297825-\$ or US-6266053-\$	or WO-9952073-\$ or US-	6124864-\$ or WO-9845814-\$	or WO-9845813-\$ or US-	6084590-\$).did.		
0			31													-										_	

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USPAT; US-PGPUB;	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
3 ((US-6084590-\$ or US-6160907-\$ or US-6192156-\$ or US-6160907-\$ or US-6192156-\$ or US-629285-\$ or US-6297825-\$).did. or (US-20020032697-\$ or US-9845812-\$ or WO-9845812-\$ or WO-9952070-\$ or WO-9952080-\$).did. or (US-200034918-\$ or WO-200034918-\$ or WO-200034918-\$ or US-6192156-\$ or US-6249285-\$ or US-6297825-\$ or US-6249285-\$ or US-6124864-\$ or WO-9952073-\$ or WO-9952073-\$ or US-616488-\$ or US-616488-\$ or US-616488-\$ or US-616868-\$ or US-61688-\$ or US-616868-\$ or US-616868-\$ or US-61888-\$ or US-61888-\$ or US-61888-\$ or US-618888-\$ or US-6188888-\$ or US-618888-\$ or US-618888-\$ or US-618888-\$ or US-6188888-\$ or US-618888-\$ or US-6188888-\$ or US-618888-\$	100 (point adj1 cloud) and feature and track\$4 and ('2D' or "2 dimensional" or "2 Dimensional" or "2-Dimensional" or "2-Dimensional" or "2-D') and ('3D' or "3 dimensional" or "3-Dimensional" or "3-Dimens	·D" or and	61 (image adj1 based adj1 model\$5) and (382.clas. or 345.clas.)

USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT	USPAT		USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
2 6166744.pn.	6 ("5488674" "6075905" "6088470" "6097854" "6128108" "6038031").PN.	21 ("4970666" "4989152" "5365603" "5444478" "551153" "5566283" "5570460" "5594842" "5633995" "5644651" "5647019" "5673207" "5680474" "5684887" "5706416" "5710875" "5716032" "5729471" "5818959").PN.	3 (((three ad) dimensional) or 3d or "3-D" or ("3" ad)1 dimensional)) adj model\$5) and (feature near track\$5) and (nearest adj neighbor) and (((two adj dimensional)) or 2d or "2-D" or ("2" adj1 dimensional)) with image)	g¢bus-	21 ("4970666" "4989152" "5365603" "544478" "5511153" "5566283" "5570460" "5594842" "5633995" "5644651" "5687019" "5673207" "5680474" "5684887" "5706416" "5710875" "571692" "5717792" "571692" "5729471"	0 (structure adj1 from adj1 motion) and (382.clas. or 345.clas.)

USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB;
((structure or shape) adj1 from adj1 motion) and (382.clas. or 345.clas.)	((structure or shape) adj2 motion) and (382.clas. or 345.clas.)	31 (US-6084590-\$ or US-6160907-\$ 6124864-\$ or US-6160907-\$ or US-6192156-\$ or US-6249285-\$ or US-6249285-\$ or US-626053-\$ or US-6297825-\$).did. or (US-20020164067-\$).did. or (US-9845812-\$ or WO-9952073-\$ or WO-9952080-\$ or WO-9952073-\$ or WO-9952080-\$ or WO-9952070-\$ or WO-9845816-\$ or WO-9952070-\$ or WO-9952071-\$).did. or (US-6084590-\$ or WO-9952073-\$ or WO-9952071-\$).did. or (US-6084590-\$ or WO-9952073-\$ or WO-9845814-\$ or US-61248613-\$ or WO-9845814-\$ or US-6124864-\$ or WO-9845813-\$ or US-6124864-\$ or WO-9845813-\$ or US-6266053-\$ or US-6249285-\$ or US-626053-\$ or US-200031689-\$ or WO-200031689-\$ or US-200031689-\$ or US-200031680-\$ or US-200031689-\$ or US-200031680-\$
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USPAT, US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
	is S	USF EPC IBM	US E M	US EPC BM	EPC BM
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78459 79218 79218 79278 7269 73.5 o 73.5 o 7	22" ' 7" "	movin loving fas. o	10.as	i.i.	\$12.i
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USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT;			
349 omg\$10.as.			0 2d3\$10.as. and (382.clas. or L 345.clas. or348.clas) E	0 vicion\$10.as. and (382.clas. Con 345.clas. or 348.clas)	110 match adj1 move E	(match adj1 move) and (345.clas. or 382.clas. or 348.clas.)	20020164067	303 point cloud and ((surface adj Ureconstruc\$5) or model\$5)	107 point cloud and ((surface adj Ureconstruc\$5) or modet\$5) Eand (382.clas. or 345.clas.)	5 ("6009190" "6078701" U "6104840" "6331860" "6516099" "2003/0091226").PN.	678 point adj cloud E	40 (point adj cloud) and (nearest U adj neighbor)
349	0	0	0	0	110	7		303	107		678	40(

USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
508 (vertex or vertices) and US (nearest adj neighbor) EP IBM	0 (vertex or vertices) same US (nearestr) EP (BM	633 (vertex or vertices) same US (nearest) EP	83 (vertex or vertices) same US (nearest adj neighbor) EP-IBN	0 (vertex or vertices) same US (nearest adj neighbor) and EP (382.clas. and 345.clas) IBM		7 (point adj cloud) same US (wireframe or wire?frame or EP- (wire adj frame))	(point adj cloud) same US (centroid or (center adj mass) EP or barycenter) and (382.clas. IBN or 345.clas.)	82 (point near2 set) same USI (centroid or (center adj mass) EPP or barycenter) and (382.clas. IBN or 345.clas.)	160 (point near2 (set or cluster or US) group)) same (centroid or EP (center adj (mass or gravity)) IBM or barycenter) and (382.clas. or 345.clas.)
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parycenter) and ((three adj		-	•		
nensional) or 3d or "3-D" or					
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79 (US-6512518-\$ or US-6473079-\$ or US-6459431-\$ or US-6453064-\$ or US-6459431-\$ or US-6453064-\$ or US-6414683-\$ or US-6298174-\$ or US-6298351-\$ or US-6298174-\$ or US-6298351-\$ or US-6298351-\$ or US-629865-\$ or US-6256400-\$ or US-6272250-\$ or US-6256400-\$ or US-6272250-\$ or US-6173070-\$ or US-6191798-\$ or US-6109001-\$ or US-6173070-\$ or US-656960-\$ or US-6591011-\$ or US-65691011-\$ or US-6591011-\$ or US-6591011-\$ or US-659107-\$ or US-659107-\$ or US-659107-\$ or US-659107-\$ or US-6591070-\$ or US-6591070-\$ or US-6697400-\$ or US-6697400-\$ or US-6697400-\$ or US-5943056-\$ or US-5940527-\$ or US-5819070-\$ or US-5825908-\$ or US-581501-\$ or US-5825908-\$ or US-581501-\$ or US-5825908-\$ or US-581501-\$ or US-5825908-\$ or US-59355120-\$ or US-5826384-\$ or US-593984-\$ or US-593988-\$ or
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79 ((US-6512518-\$ or US- USPAT; US 6473079-\$ or US-6456431-\$ EPO: IPO:	·	 or US-6345112-\$ or US-	6298351-\$ or US-6298174-\$	or US-6275233-\$ or US-	6272250-\$ or US-6269565-\$	or US-6256400-\$ or US-	6246784-\$ or US-6191798-\$	or US-6175365-\$ or US-	6173070-\$ or US-6151404-\$	or US-6100901-\$ or US-	4191940-\$ or US-6628803-\$	or US-6614422-\$ or US-	6591011-\$ or US-6584220-\$	or US-6556696-\$ or US-	6556206-\$).did. or (US-	6539107-\$ or US-6532304-\$	or US-6687400-\$ or US-	6650764-\$ or US-6058209-\$	or US-6064770-\$ or US-	6072903-\$ or US-5943056-\$	or US-5751289-\$ or US-	5812691-\$ or US-5819070-\$	or US-5825908-\$ or US-	5839440-\$ or US-5864779-\$	or US-5940527-\$ or US-	4821214-\$ or US-4891762-\$	or US-5355314-\$ or US-	5416899-\$ or US-5468069-\$	or US-5506949-\$ or US-	5531520-\$ or US-5544284-\$	or US-5568384-\$ or US-	5579401-\$ or US-5625717-\$	or US-5633994-\$).did. or (US-	5638465-\$ or US-5644386-\$	or US-5737508-\$).did. or (US-

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5-6512518-\$ or US- USPAT; US-PGPUB; 3079-\$ or US-6459431-\$ FPO: JPO: DFRWFNT:	· .	8-98	S-6345112-8 or US-	8351-\$ or US-6298174-\$	S-6275233-\$ or US-	2250-\$ or US-6269565-\$	S-6256400-\$ or US-	6784-\$ or US-6191798-\$	S-6175365-\$ or US-	3070-\$ or US-6151404-\$	S-6100901-\$ or US-	1940-\$ or US-6628803-\$	S-6614422-\$ or US-	1011-\$ or US-6584220-\$	S-6556696-\$ or US-	5206-\$).did. or (US-	3107-\$ or US-6532304-\$	S-6687400-\$ or US-	0764-\$ or US-6058209-\$	S-6064770-\$ or US-	2903-\$ or US-5943056-\$	S-5751289-\$ or US-	2691-\$ or US-5819070-\$	S-5825908-\$ or US-	9440-\$ or US-5864779-\$	5-5940527-\$ or US-	1214-\$ or US-4891762-\$	S-535314-\$ or US-	8894\$ or US-2468069-\$	S-5506949-\$ or US-	15/20-\$ of US-554284-\$	(V-2) 0.0 (V-2) (V	194.0 CO-200101-9-0	o-5533894-\$).did. or (US-	7465-\$ or US-5644386-\$	S-5737508-\$).did. or (US-		20030071194-\$).did. US-PGPUB	0099.URPN. USPAT		EPO; JPO; DERWENT;
79 ((US-6512518-\$ or US- 6473079-\$ or US-6459431-\$	or US-6453064-\$ or US-	6414683-\$ or US-6373486-\$	or US-6345112-\$ or US-	6298351-\$ or US-6298174-\$	or US-6275233-\$ or US-	6272250-\$ or US-6269565-\$	or US-6256400-\$ or US-	6246784-\$ or US-6191798-\$	or US-6175365-\$ or US-	6173070-\$ or US-6151404-\$	or US-6100901-\$ or US-	4191940-\$ or US-6628803-	or US-6614422-\$ or US-	6591011-\$ or US-6584220-\$	or US-6556696-\$ or US-	6556206-\$).did. or (US-	6539107-\$ or US-6532304-\$	or US-6687400-\$ or US-	6650764-\$ or US-6058209-	or US-6064770-\$ or US-	6072903-\$ or US-5943056-\$	or US-5751289-\$ or US-	5812691-\$ or US-5819070-\$	or US-5825908-\$ or US-	5839440-\$ or US-5864779-\$	or US-5940527-\$ or US-	4821214-\$ or US-4891762-	or US-5355314-\$ or US-	5416899-\$ or US-5468069-\$	or US-5506949-\$ or US-	5531520-\$ or US-5544284-\$	or US-5568384-\$ or US-	\$-/1/9202-90 IO-96000000000000000000000000000000000000	or US-5633994-\$).did. or (US-	5638465-\$ or US-5644386-\$	or US-5737508-\$).did. or (US	20040046744-\$ or US-	1 (US-20030071194-\$).did.	2 6516099.URPN.	55 (point adj cloud) same (mesh)	

USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT, US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT, US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
27 (point adj cloud) same (mesh) USPAT; US-PGPUB; and @ad<20010501 IBM_TDB	2 (point near cloud) same (connect) and (382.clas. or 345.clas.) and @ad<20010501	12 (point near cloud) same (connec\$5) and (382.clas. or E 345.clas.) and @ad<20010501	101 (point near2 (set or cluster or group or cloud)) same (centroid or (center adj (mass or gravity)) or barycenter) and ((three adj dimensional) or 3-D" or "3-D" or
27	2	12	101

101 (US-5633950-\$ or US-5638465-\$ or US-5644386-\$ or US-5715166-\$ or US-5737508-\$ or US-5624284-\$ or US-5737508-\$ or US-5623560-\$ or US-5598401-\$ or US-5544284-\$ or US-5508949-\$ or US-5546360-\$ or US-5508949-\$ or US-5464050-\$ or US-5464050-\$ or US-5243418-\$ or US-5464050-\$ or US-5243418-\$ or US-6223514-\$ or US-5243418-\$ or US-6223514-\$ or US-5982940-\$ or US-622009-\$ or US-62003-3-\$ or US-6339440-\$ or US-6459943-\$ or US-64590-\$ or US-64590-\$ or US-62003-3-\$ o	USPAT. US-PGPUB 1-5 1-5 1-5 1-5 1-5 1-5 1-5 1-5 1-5 1-	
or US-6591011-\$) did or (US-6611267-\$ or US-6611791-\$ or US-6173070-\$ or US-6151404-\$ or US-6148102-\$	-y-y-	

EPO; JPO; DERWENT; USPAT; US-PGPUB; BM_TDB or US-6591011-\$).did. or (US-5633994-\$ or US-5638465-\$ 5715166-\$ or US-5737508-\$ 5579401-\$ or US-5568563-\$ 5243418-\$ or US-4891762-\$ 6473079-\$ or US-6459431-\$ 6400373-\$ or US-6392647-\$ 5506949-\$ or US-5468069-\$ 5427100-\$ or US-5416899-\$ 4191940-\$ or US-6064770-\$ 5886702-\$ or US-5940527-\$ 5943056-\$ or US-5945996-\$ 5825908-\$ or US-5819070-\$ 6345112-\$ or US-6320973-\$ 6269565-\$ or US-6262739-\$ 6650764-\$ or US-6628803-\$ 5751289-\$ or US-6539107-\$ 6556206-\$ or US-6556696-\$ 6611267-\$ or US-6611791-\$ 6151404-\$ or US-6148102-\$ or US-5644386-\$ or USor US-5544284-\$ or USor US-5355314-\$ or USor US-5812691-\$ or USor US-5454050-\$ or USor US-4821214-\$ or USor US-6072903-\$ or USor US-6373486-\$ or USor US-6546130-\$ or USor US-6173070-\$ or USor US-5623560-\$ or USor US-5982940-\$ or USor US-5839440-\$ or USor US-6453064-\$ or USor US-6272250-\$ or USor US-6256400-\$ or USor US-6614422-\$ or US-5995644-\$).did. or (US-101 ((US-5633950-\$ or US-

USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB			
465-\$	5715166-\$ or US-5737508-\$ or US-5623560-\$ or US- 5579401-\$ or US-5568563-\$ or US-554284-\$ or US- 5506949-\$ or US-5468069-\$	or US-5454050-\$ or US-5427100-\$ or US-5427100-\$ or US-5416899-\$ or US-5355314-\$ or US-543418-\$ or US-491940-\$ or US-6064770-\$ or US-6072903-\$ or US-6072903-\$ or US-6075903-\$ or US-6075903-\$ or US-5985040-\$ or US-5982940-\$ or US-	5995644-\$).did. or (US- 5943056-\$ or US-5945996-\$ or US-5839440-\$ or US- 5825908-\$ or US-5819070-\$ or US-5812691-\$ or US- 6473079-\$ or US-6459431-\$ or US-6453064-\$ or US- 6400373-\$ or US-6392647-\$ or US-6373486-\$ or US- 6269565-\$ or US- 6556206-\$ or US- 6511267-\$ or US- 651269-\$ or US- 6511267-\$ or US- 6611267-\$ or US- 6611267-\$ or US- 6611267-\$ or US-
16 ((US-5633950-\$ or US- 5633994-\$ or US-5638- or US-5644386-\$ or US	5715166-\$ or US-573756 or US-5623560-\$ or US- 5579401-\$ or US-556856 or US-5544284-\$ or US- 5506949-\$	or US-5454050-\$ or US- 5427100-\$ or US-541689 or US-5355314-\$ or US- 5243418-\$ or US-489176 or US-4821214-\$ or US- 191940-\$ or US-606477 or US-6072903-\$ or US- 5886702-\$ or US-594055 or US-5982940-\$ or US-	5995644-\$).d 5943056-\$ or US-58394 5825908-\$ or US-581266 6473079-\$ or US-645301 6400373-\$ or US-657222 6269565-\$ or US-65644 5751289-\$ or US-65910 6611267-\$ or US-65910

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USPAT; US-PGPUB;	2 6288385.pn.
	or US-6173070-\$ or US-
 	6611267-\$ or US-6611791-\$
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USPAT	USPAT USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
22 ("3901595" "4175862" "4654872" "4695156" "4803645" "4825393" "4935810" "5144373" "5166878" "5202928" "5307136" "5381526" "5390291" "5454069" "5519485" "556934" "5598515" "5604529" "5703961" "5848198" "5892855" "6044181").PN.	2 6516099.URPN. 126 (point near2 (set or cluster or group)) same (centroid or (center adj (mass or gravity)) or barycenter) and (382.clas. or 345.clas.) and @ad<20010501	82 (point near2 (set or cluster or group)) same (centroid or (center adj (mass or gravity)) or barycenter) and (382.clas. or 345.clas.) and (@ad<20010501 and ((three adj dimensional) or 3d or "3-" or ("3" adj1 dimensional))	0 l82 and (point near2 (set or cluster or group)) same (centroid or (center adj (mass or gravity)) or barycenter)	

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6728423-\$ or US-6571024-\$ or US-6738423-\$ or US-6571024-\$ or US-6533995-\$ or US-6137491-\$ or US-65332995-\$ or US-652717-\$ or US-6527299-\$ or US-652299-\$ or US-6532299-\$ or US-594599-\$ or US-594599-\$ or US-5947078-\$ or US-5971153-\$ or US-5818959-\$ or US-6208347-\$ or US-636272-\$ or US-6363169-\$ or US-6208347-\$ or US-637379-\$ or US-636272-\$ or US-6363769-\$ or US-636272-\$ or US-636379-\$ or US-6363769-\$ or US-636379-\$ or US-6363779-\$ or US-636379-\$ or US-63633077482-\$ or US-70030077194-\$ or US-70030077482-\$ or US-70	1555 appel.in. 13 appel-a.in.	2 6187392.pn.	10 cyra\$15.as. and lidar	0 cyra\$15.as. and sonar	3 cyra\$15.as. and (ir or (infra adj1 red) or (infra?red))

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1378 ((three adj dimensional) or 3d USPAT; US-PGPUB; or "3-D" or ("3" adj 1 EPO; JPO; DERWEN dimensional)) same (ir or IBM_TDB (infra adj1 red) or (infra?red))	497 ((three adj dimensional) or 3d or "3-D" or ("3" adj 1 dimensional)) with (ir or (infra adj 1 red) or (infra?red))	((three adj dimensional) or 3d or "3-D" or ("3" adj 1 dimensional)) with (ir or (infra adj 1 red) or (infra?red)) with (point or vertex or vertices)	20 ((three adj dimensional) or 3d or "3-D" or ("3" adj 1 dimensional)) with (ir or (infra adj 1 red) or (infra?red)) with (point or vertex or vertices) and @ad<20010501	21 ((three adj dimensional) or 3d or "3-D" or ("3" adj 1 dimensional)) same (ir or (infra adj 1 red) or (infra?red)) same (point or vertex or vertices) same (model or set or cloud) and @ad<20010501	14 (range adj1 scan\$5) same laser same (infra?red or IR or infra adj1 red)	799 sonar with depth	21 (sonar with depth) same ((three adj dimensional) or 3d or "3-D" or ("3" adj1 dimensional))
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&	 	6 (US-4694434-\$ or US- 6002644-\$ or US-4815045-\$ or US-5200931-\$ or US- 5699318-\$ or US-5812494- \$).did.		4 ((US-5200931-\$ or US- 5699318-\$ or US-4694434-\$ or US-4815045-\$ or US- 5812494-\$ or US-6002644- \$).did.) and sonar	sonar with depth					2914 ((three adj dimensional) or 3d Lor "3-D" or "3" adj1 dimensional)) same (sonar or 18 ultrasound or ultra?sound)	1 (US-20040070582-\$).did.	(:
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627 ((three adj dimensional) or 3d USPAT; US-PGPUB; or "3-D" or ("3" adj1 EPO; JPO; DERWEN dimensional)) adj (sonar or ultrasound or ultra?sound)	58 ((three adj dimensional) or 3d U. or "3-D" or ("3" adj1 dimensional)) adj (sonar or lltrasound or ultrasound) same (point or vertex or vertices)	27 ((three adj dimensional) or 3d USPAT; US-PGPUB; or "3-D" or ("3" adj1 EPO; JPO; DERWENdimensional)) adj (sonar or ultra?sound or ultra?sound) same (point or vertex or vertices) and @ad<20010501	17 ((three adj dimensional) or 3d USPAT; US-PGPUB; or "3-D" or ("3" adj 1 dimensional)) adj (sonar or dimensional)) adj (sonar or ultrasound or ultra?sound) same (voxel) and @ad<20010501
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patent #	type	pub date		class1	class2	inventor	
US 6473079 B1	USPAT	20021029	20021029 Integrated system for quickly and accurately imaging and modeling threedimensional objects	345/419		Kacyra, Ben K. et al.	
US 20030072482 A1	US-PGPUB	20030417	20030417 Modeling shape, motion, and flexion of non-rigid 3D objects in a sequence of images	382/154	382/103	Brand, Matthew	
US 20030071194 A1	US-PGPUB	20030417	20030417 Method and apparatus for scanning three-dimensional objects	250/208.1		Mueller, Frederick F. et al.	
US 6728423 B1	USPAT	20040427	20040427 System and method for mapping a surface	382/294	356/601; 382/285; 382/291	Rubbert, Rudger et al.	
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US 6628819 B1	USPAT	20030930	20030930 Estimation of 3-dimensional 382/154 shape from image sequence	382/154	345/419	Huang, Yingjieh et al.	
US 6571024 B1	USPAT	20030527	20030527 Method and apparatus for multi-view three dimensional estimation	382/294	348/42; 382/154; 382/284	Sawhney, Harpreet Singh et al.	
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US 6278460 B1	USPAT	20010821	20010821 Creating a threedimensional model from two-dimensional images	345/424	345/420; 382/154	Myers, Thomas B. et al.	
US 6208347 B1	USPAT	200103274	20010327 System and method for computer modeling of 3D objects and 2D images by mesh constructions that incorporate non-spatial data such as color or texture	345/419	345/420; 345/423	Migdal, Alexander A. et al.	

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Szeliski, Richard S.	McClain, Richard A.	Shum, Heung-Yeung et al.	Webb, Jon A. et al.	Azarbayejani, Ali et al.	Kang, Sing Bing	Okatani, Takayuki	Ritter, Dieter et al.	Matsumoto, Yukinori et al.
	345/420	345/629; 382/284	348/47; 356/12; 382/106		382/154			
345/419	345/419	345/619	382/154	345/419	382/107	382/154	382/154	345/582
20001024 Method and apparatus for reconstructing geometry using geometrically constrained structure from motion with points on planes	19970527 Camera system and methods for extracting 3D model of viewed object	20021022 Inverse texture mapping using weighted pyramid blending	19981006 Method of producing a three-382/154 dimensional image from two-dimensional images	19960423 Method and apparatus for three-dimensional, textured models from plural video images	20000404 Method for extracting a three-dimensional model using appearance-based constrained structure from motion	20030123 Apparatus for constituting three-dimensional model	20020326 Apparatus and method of three-dimensional modeling	20020312 Texture information giving method, object extracting method, three-dimensional model generating method and apparatus for the same
20001024	19970527	20021022	19981006	19960423	20000404	20030123	20020326 A	20020312 7
USPAT	USPAT	USPAT	USPAT	USPAT	USPAT	US-PGPUB	USPAT	USPAT
US 6137491 A	US 5633995 A	US 6469710 B1	US 5818959 A	US 5511153 A	US 6047078 A	US 20030016861 A1	US 6363169 B1	US 6356272 B1

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US 5821943 A	USPAT	19981013	19981013 Apparatus and method for recreating and manipulating a 3D object based on a 2D projection thereof	345/427	345/419; 382/201	Shashua, Amnon	
US 5579401 A	USPAT	19961126 Feature bodies i	Feature grouping in moving 382/100 bodies in an image	382/100	348/416.1; 348/669; Gear, C. William 382/205; 382/206; 382/236	Gear, C. William	
US 20020159628 A1	US-PGPUB	20021031	20021031 Image-based 3D digitizer	382/154	382/190	Matusik, Wojciech et al.	
US 6633290 B1	USPAT	20031014	20031014 Apparatus and method for forming 2D views of a structure from 3D point data	345/423		Kung, Jonathan Apollo et al.	
US 5945996 A	USPAT	19990831 System rapidly goptimal object o	and method for generating an mesh model of a 3D r surface	345/420		Migdal, Alexander et al.	
JS 6516099 B1	USPAT	20030204	20030204 Image processing apparatus	382/284	345/419; 345/6; 348/42; 382/154	Davison, Allan Joseph et al.	
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US 4891762 A	USPAT	19900102 Method tracking recognit patterns	and apparatus for , mapping and ion of spatial	701/223	342/64; 382/103; 382/201	Chotiros, Nicholas P.	
US 6342891 B1	USPAT	20020129 System dynamic dimensi	System and method for the 345/473 dynamic display of three-dimensional image data	345/473		Fenster, Aaron et al.	